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ncixPC Gamer XP 100

CANADA'S NEW GEN COMPUTER PUBLICATION Focussed editorial on technical computer issues

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Canada from as only a countr of months ago But a funey thing happened on the way to the protocry-

In fact, what tied our readers traveller was a count for high performance - and for making the very most of the technology in which they had invested. Publisher Joshua Paul thus took a hold decision (and that's a good thing, supposed to go and whether or not you need THAT many adjectives in a sentunes). We decided to models and in-order the rubbestion second performance And thus

So what is PerformancePC Creads all about? At its heart, this publication is about choses. And, informativity, choice in not always a good thing In fact, it can be downrate

Well or PerformancePC Carada, we aim to end the terminal of choice and make a much simpler for you to make intelligent choices that will help you get the highest performance - and the most fus - from your PC In the coming issues, we will be exploring these questions - and many others. In this risse, for example, he sare to read David

all-roand techno-euro Groome Bennett, a review from Mike the second chapter of Inside the Bubble Inv opcoming book

Also, oleany check out some new sections, our contributors' "bio" nanca size you some backensual on our contributors. while our hardware seview section compares offerings from a variety of vendors at sample price points - and we have a calendar of events with latings from user groups and And don't forces to ceter the cornest for the chance to was the system from NCIX paline at http://www performances considerated and That's an early choice ....

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## PC USB Light Gun

Manufacturar: Act-Labs forowart labs com







If you are into playing classic areado games, there's nothing like having the right device to match the game Unit games where you end up scrolling around study onscreen trying desperately to move your cursor from one side of the screen to the other in order to meet an increasingly impossible challenge in shooter games. For people craving the experience that only a real light run can recorde. Acts

With the exception of old fishioned guns from the

your monitor directly in order to display that targeting screen, Act-Labs accomplishes this by providing you not cely with the gap, but with an intermediary device that you plac your mensior cable atto, which then feeds its monitor connection into your PC. The unit also uses a USB reall the travery on the year, it sends a signal to the morning streeface, which reads where the timest or taprets are supposed to be in the game, and converts it to a targeting spot that the light gas is capable of "reading". To the user, the screen flashes where, the effect designed to equal to a run flash, and also movides feedback to the user as to when the travour has been successfully pulled. The run comes with a CD that serves as the product's

based games available online. The run is desirated specifically for use with more recent versions of MS operating system, all you have to do is calibrate the gun for monster display, there is a new model of the halt our The gun stielf looks maxey, something that wouldn't

the one on the rack used for callbatton purposes. The position of the left betton existating a right mouse button may some odd at first, until you realest that this is perfect placement as you can easily use your thumb to activate it order for this to be practical. When you activate the right screen both horszontally and vertically, armine for the middle of the screen, and going a few suches beyond the

white most collection of general that the dense CD links or for the and Anal-Merit some different between general such as "Med Day McCree" and in sepecial, this light grows some than "Med Day McCree" and in sepecial, this light grows some some some properties of the Mangale Annale Machine Emelature (better lawner as "MAASE") was med. This proposition controlly have 50 ere to general designed for sumy operating systems controlly have 50 ere to general designed for white shoot or on ups from small, but hely back and whate shoot or on ups from the line Tile to chance Shi general whate shoot or on ups from the line Tile to the chance Shi general whate shoot or on ups from the line Tile to chance Shi general the Creative and Operations Tile It is all the greater can show that the change of the shoot of the shoot properties of the shoot of the shoot properties of the shoot shoot of the shoot of the shoot shoot of the shoot shoot of the shoot shoot of the shoot sho

were designed arreard light owns, and there's really no substirate when it comes to pame play. While the instructions Act-Labs provides paganets that you only need to recalibrate your gan when you change screen resolution, I got the best performance when calibration the eyn at the start of each year carne I played. Marry games were designed for someon with vary different resolutions than that of a standard SVGA monitor, and re- cultivating the gan at the start of playing a new game fixed most problems I had with accuracy Even after doing that I assessibly had to five twice before a "bit" was maintened. After looking up the publish on Act-Lahs' troubleshooting section for the run on their Web site. I found the blooky cause: a misalizzed monitor display. After adjusting the shape and spread of my monitor's display, I found that the gun's accuracy west way up - any massed shots from this point on were do to my lack of markimanship skills, and my scores

were do to my lace for markottassump lacist, and my access were more in line with what I remember from Diglings the actual gentes years ago in the associa-The zero is mode of darshed though highweight plants and is well bulsaced. The trigger is a bit on the still such, and during serious game play I focus day of fagers to one grew fixed from repeated use. The morehorisms soons well made and thought here in a soft in low of such. The trity neverthe well not therefore the more than the such as the such that the rest is the such as the such that the such is low of such that the such that the such as the such as the such as the such as the such that the such is the such as the such as

#### iorne Drwysides

While Act Lee light gas is gare, down not all come for generative greaters, the case as cannot be of games that sequelay say to shoot off secret is robot to shoot. The Act Leep gas down to the very structural mechanism to find a large secret control of the control of the control of the control shoot space to restay the final battern for this propose. The control of the control o

then B is C., is view conclude, the inglescode for flower of the bettern. This information process of the conclusion of the the Web size, but when I surred for the first size, the different factors on trying of an III for the set below cores, so trying to information reformance available only almost added to the functional for major and the six normal colors and the six of the six of the six of the six of the analysis of the six of the six of the six of the six of articles. The six of the six of the six of the six of the sension in would require a small bettery to power the gas to the freedom from being a sheet of the Twostile for

#### Act-Labs' Gan Hits the Mark

Despite these relatively mixed devention, the Act-Lab USB Light Girn in 1 good, well-designed product that will reveal to use with insept learn of interest gainer play. The Act-Labs goodset shows that there is an invocious demand on their for poolsy warrige to play is clease strated grainer, and that there is a stable statistic out there that mixed focusives one cute zo. So far de Act-Lab USB Light Gird in the only player on the mixed, but it is see filled yo may the woy. Having usid that, Act-Labs "difficing will be latted to

In short, it's a game gust bound to make your trigger finger happy. I

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# Digital Video Authoring



you may have a basic

understanding of the difference between recordable (e.g., DVD-R or CD-R) and rewritable (c.g., DVD-R% My apologies for the occasionally acronym-beavy paragraphs that follow - there's so much to describe, and a herited amount of room in this issue!

DVD recording standard is "best". As I find myself saving in many other cases, the real answer is "it depends". If you are looking for lower media costs, there's a slight adventage to market share or technical supersority, the DVD+R format is slightly should And, if your main concern is once competibility, neither system in perfect, but discs recorded se either format will work on coughly eight out of ten DVD sot-top players on the

my bets by setting a drive capable of reporting both major standards. I bought a Sony drive, however, there DVD4/-XW drives on the exokat formst" models, able to bandle DVD-R/RW, DVD+R/RW and the less possfor (and less widely correst/blc) DVD-

The solutive technical ments of each competing format are widely most important point is to be said compatible with the DVD abover (or DVD-ROM drive) you intend to use to watch the movies you produce

worth meancoing berry Windows team an atropoly recommended to use a NTFS-formatlamitation of 4GB maximum file size. Thus, you should be natural Windows

2000 c= XP Professional DVD authors broughly write out their files to DLT tree and send them to a DVD mastering house for duplication, and DAY THE CORRY thousands of dollars' worth of external tools to a. Adobe Photoshop, After Effects, etc.) other advanced features. Most stultule impages, subtities, Dollyserround sound and support for dual-

saciade extra "tateractive" content. such as games or other goodies

in a DVD package Most consumer-

"thomes," Pro-oriented tools tend to eschew much of the hand-holding to and chapter markers. You mobably won't get these features with the ancappenaive DVD recorders, but they're easy to add later, if you need Other Recordable Formets

can also create standard CD-R and appropriate software, use it to resolve a wale variety of other discs year handle: most players can handle VCD (MPEG-1), SVCD (480x480-uxel) MPEG-2) or meniDVD (720x480-pesel DVD-maley MPEG-2 veloc and andso on a CD) discs, too Most DVD players can handle JPFG recture discs. MP3 compilations and CD-sacko discs, a few can even play DivX and MPEG-4 movus discs.

Chances are good that some or all wreer you choose Ahead's Nero, for example, provides a VCD export City Computer Systems
Your one Stop SERVER Central
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Named 42 Paul Xees

MPEG source material and wrete with

Creator provides surplar cognitions Unless you are intending to surbor ducs samed at the professional DVD market, with advanced features such as multiple language tracks, region codes, copy protection, multiple angles, specialized features, you probably won't appropriate the additional home DVD-recording spolications, a

Ulead DVD Workshop, Adobe's Facous DVD and Sonic Foundry's integrated video editor and DVD

builder, Verus + DVD. All of these tools venture into the "presumer" category, with support for chapter markers, motion menus, multiple aspect ratios, AC3 audio, and been testing another program that

shows ment cromme Offered by Mediachance, a littleknown Canadian developer, DVD-Lab is semarkably powerful, with a lot of once of \$79 (marginarly \$99) it has a agreerly tyrrested at professional users. while remaining easier to use than Adobe Encore DVD (US\$549 for Wandows XP) or Apple's US\$499 DVD Studio Pro 2.0, a leading nuckees on the Mar sale.

metaphor that is easy to learn said quick to master It supports many advenced features, including motion Sw meets screens and was a rafty Merry

Wizard festare, some of the coolest menu-building templates of any program this side of Apple's (DVD. B

There's not much to correlate about in the program other than the lack of support for multiple stadeo tracks. I asked "Oscar," the Ottawausus and he replied, "although the really make it reliable and then been

Oscar says he is adding sladeshow support with "quite a race sat" of fentures, such as background, drop for 16c9 aggest images. See

that should have the big players in the market rethinking their pricing nus on Win

Ulead's DVD. better feature-set then its competitors. with an interface short of the rise of DVD choses for those WESTING & DESCRIPTION

10 Advanced: Decolar 202 | PUDE STREET | wasoningsconstruction

suvertable or CD-R/RW media. full-festured video exister with basic both programs are freely download-

DVD Architect (Wordshop) excellers video editing rockage. Verze very easy to learn, with an interface that is both customizable and blessed in many v1 0x products, it has a feature disc. and its Multiple GUI Render Senet allows you to set up all-resht



add multiple audio tracks or multiple video angles, and chapters have to be or a submoss, unless you resort to the chapters, then so to that menu, copy the links, so back to the man ment. and pasts them there Delete the sab-mens and presto, you have

Although DVD Architect 1 0c does not support some of the advanced requirements of those similar to feature-laden DVD Workshop, it's my recommended choice for most users who want a go-nossesse DVD

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offens took on the modes. An

price (at this writing, the scuderisc

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Although I'm delving into daisson Conv (US\$49) comes closest The all of them are!). You have to first me the Panascle program do its work. This sizele-lover DVD-5 discs. Multi-laver. DVD-recordable blanks. In both cases,

For users with a DAID recorder most likely to be satisfied with fi all crargaal features intact, with a minimum of fess - and, at full quality. If you don't want to use more than one black DVD-R disc for your X Copy Express, which always products a one-disc backup, with a shight reduction in quality, if necessary, to achieve this goal.

There are also a number of PCbased tools on the market that allow coding restrictions and/or CSS encryption from your DVD occurs. The DryX-and-MPEG4-connectible Litees LVD-2001 set-top DVD player I maked up recently even has a hidden firmwace frature that allows Macrovouce and region ceding to be

example, claums to be the fastest DVD normally wouldn't fit on a 4.70B blank - to a reconfable disc in 30

Now, perhaps if won't bother you off. It saws "Most DVDs are encrysted use the promum six times before you can process them with DVD2000 sectoded in DVDDone. You will have

files to doc. poter For that, you'll

need another utility, too In other

words, you need to get other software section, we'll look at some of the best titles in this outcome.

#### Creating DivX Rips

Interested in creating digital video recordable media, with surmostroly good results. DivX is a popular and highly efficient compression format (tochracelly, a "codec") that can fit a riggers DVDs to CD as the USS25 DVD-to-DIVX. If you are looking for a free solution, or, if you peefer ultimate

control, there are a number of free Newbur Guide" to not started Another good choice is Saper DVD Risper, a \$36 shareware lide it can manages or less on a mesonably fast copy DVD to DIVX AVI, MPEG-1 or also copy DVD to VCD or SVCD, for a backun DVD copy on CD, which can

> There are many other tools, most of Another collection of links and

> > Continue on page 15

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Samsung

## Samsung SyncMaster 173T Samsung Canada

By Mile Chie

Semsong SyncMaster 173T (black)



As you can see from the photo above, the Samsung SyncMaster 173T has a stand that is found in many of their newer models. When first pulled

degrees, as which maint it locks rate place automatically with a spring he pushed to fold the base back up There is a merastian "laxy Stream" type of tumpshie on the bottom of the base that allows the monitor to be

switch between digital and analog inputs. The third button from the left functions as a "-" (migus) button in the rotated easily. The stand has the same pivoting feature, which alone with the

indicates newer.

menu and as a "MagacBright" button

The right button is the power

The left Auto button provides on

sate adjustment. From the manual

"Auto adjustment allows the monitor

position are admitted automatically

supplied Pivot Pro software, allows the menu. It allows you to preset monitor to be switched ensity between brightness to rannual, Text, internet The other humans are selfon letter or legal sheets, and for The power input tack and the

diestal & analog mosts are located on the back panel, is a recess that faces down >5' length cubies for all three are included. Access is ensiest with the morator screen retuted to the portrast

100mm x 100mm VESA-complaint mounting interface and. This means that it can be used with a standard wall mounting bracket for monitors

#### USABILITY The Exit/Source burion does

look at takes up only a tiny part of your deskoop, requires no weightlifters to move around, doesn't cost as arm or lee, consumes early APW fless than half of the -100W or more of a typical 197 CRT) saves you instant portrain viewate mode and has zero reconstant

The overall quality, brightness and managerformissionnelle (art. ). PR 884 650 6660 1: Sevenir 2002. Performance?: 13

Product Review and a product of the county

sharpness of the 173T is excellent. It easily exceeds the clarity and overall usability of my best current 10" monitor, a "Para Flatface" screen than has .21mm (b) dot much and year good overall sharpness and operant

la comparison with another Seemang 17" LCD monitor in sealor mode, with a Matrox G550 32mb dual-head display providing the input, and the display art to the nation resolution of 1280 v 1024 the performance difference is extremely difficult to distinguish. Purhaps the higher contest of the 1737 porner through in some high quality 4 mer

photos. In the digital mode, the difference With analog sapet, neither of the

morestors, could nemourly display 1280 x 1024 at 32-bit color. It had to be set to 24 or 16 bit. With the 1737 digital most, there was no problem whatsoever with the 32-bit setting. which provides a wider range of

colors The higher contrast servified for the 173T was more apparent, probably because it could display 32-bit color. Some irreses did appear with more

vividness Some fosts egoested somewhat

DVD playback may have been slightly smoother There is very little or no percentible difference in brightness between center and edges; the consistency is excellent.

## The viewing angles are wider on the

backbete. B

The Sunseng SyncMaster 173T is a very good LCD menitor, excellent all-around performance, dietal most for too resolution input, absolutely no noise, and a powerful preeting feature This stylish mounter takes up minimal climinates the need for another transformer box from the clutter under the dook. Samsung backs up the unit with a 3 year warranty for parts, labor& LCD

Panel Type

Contrast Rabo

Horsz Rate (Attaloo) Horiz Rate (Destail) Bendwidth

Meconum (Analos) Maximum (Donal) Video Level Applica

D TYPE Video Level Drosel TMEST Sire Tree Separeta H/V, Damposita

III 1950 CE CSA TIAV NOMBO OK FMI/Formaines ECC OF MISS II AND

7001

Analog / Distral

1290 x 1024

1280 x 1024

Owl CPU root, builter power supply; nerrow basel. Parts/Labor/Eecklight

14 Performent's Revenue 2003 | FE COT-COD-COD | Hamaged

## Digital Video Authoring

section of DVDRHelp com Sec

Other Conversions If you'll be enplaring class from somes or soliting video class, and so on. One of the best is the US\$35 EO JPBG, GUE, MP3, etc.). It allows you compatible extent formst CVD. The

VCD, SVCD Authorises

It is possible to produce VCD and Makes Movie To CD & DVD.

. Excede in MPBC2 but use MPBG1

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. Support for chapters Both DVD · Support for Titlersching and Charges · Support for making overlapped CDs

VCD and/or SVCD support VCDRssy is one of the most popular. Another is files in both DISK mode and FILE

mode, cladDVD NET also includes meny extended options, such as Multi-Angles," detection of Masterne Errors, 'MacroVision' direct control and execution of the DVD2AVI program (included) to aid is a NET application and runs on

make the process of converting moves. SVCD a snup, a's hard to pick a smale the free fitter, through - there really son't any commercial titles in this category that are significantly better There are, however, quite a few

np-offs, in which enscruptious companies simply bundle a few of It's also worth receiveeing that vandors offer generous kiddhacks -

as high as US\$22 per sale - as webmorbs see associated with some of the more dubous offenses, such as DVD Cooy Plus. Reolitant. DVD-Squeeze 30 or the infurrous

Linex tonis?

encoding and transcoders video. And I took for Linux These topics, I'm serrous mideo work on Linus seems a irade too tricky for me. (This is also a free tools available for Mac OS X )

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### Part LXXXIX -Text Formatting and CSS3



It should be remembered that at the time of writing CSSI is affil your much a work-in-progress, and the their way to an actual browser that developments in this area.

Formations the Danaly Bits (of a One of the most interesting things

meant to be used in conjunction with property, but it overrules its behavior when it comes to the final line of a

Under Internet Explorer the testalign-last property has a total of air values, the five belonging to text-aliza - left, right, coater, untily and inherstand an additional moto value. This less

set for text-alian It should be noted of text in a paragraph in Internet the left. To see the effect of the textalson-list property at work, try out the following example code

spayle="text-align parily"> ensure you can really see the effect of this, we need a few sentences so that the effect can easily be seen Despite

«p style-"text-alient justify, text-

emph uses -ccodestext-alum-665 ecodes-center-clodes, so the last line

graph uses set

only used the text-align pastify other two namerants clearly show the affect of the text-alass-last property also been adopted within the text

module of CS\$3 - which may explain left, right, center, satisfy and inherit, The CSS3 equivalent values for this right values are the same as CSS3's

ensure you can really see the effect of orients it text vertically. What exactly a beach of Japanese characters that flow from too to bottom? The other value is different, when text-olars-last

properties: man-foot-use and max-Even Finer Adjustments min-foce-size and max-form-size, these gawly proposed CSS3 proporties would be used for setting the minimum. and maximum fort size that could be used globally on a page - perhaps in gass-foot-size are designed to be used

in a very specific case, they are only for use in conjunction with the textalign-last property when it is set to text-alors-last som tells the browser to stretch or sources the o centent on the final line of text in a

paragraph (or some other block This includes changing the feet size of size are used to set the upper and lower constructs. Both min-fort-size and max-feat-size can take one of four values: a specific numeric font-size value, auto (the default), metal and solited at used to explicitly set a property to its normal default value. and inherit takes on wintever parent

value may already been set for the

property. The sate value means there is

no default listal to the maternam or

- Weaving Your Own Web Site value the most with these properties.

is a block element can be re-sized. The following code support provides on idea as to how you can expect to use these properties:

птр-бом-нас 10ра

in 1994 B

Next time: The final installment on

Ketth Schengeli-Roberts is the recessly published by Prestice Hall correspons. This article is a continuation of the lone-running "Web Weavour" series that orrespolly run as The Computer Paper, one of the longest continuing series on the



## Review of "ncixPC Gamer XP 100"

Then NCIX saked us to myny their "neixPC Garner XP 100" system, my first thought was "NCEX salls pos-built do-it-vourself-for-as-little-as-nomible cuthusiast crowd - in other words. poople like me. People that don't mand spending 3 hours assembling a machine from scratch to save a few bucks. Of course, after assembling a starts to look appearing. This system seems to be asmed at squarely bieb-

so long experience with what this market wants in a gazzing ng can only sad NCIX in building a kick-ass corresp box? I got together with a counts of friends for an all day LAN earning sersion and brought this buby sloce.

performance earning eathusing crowd.

We ren it through the pages. Unreal Dagmarrest 2003, Halo Wolfcrotern

III Enemy Territory, and Homeworld 2. I creaked up the sect-alimate to fix. which takes a lot of GPU muscle, at the

beginning of the session and dign't daty most of the time, the system can like a dresen - frame rates in UT2001 seemed to hover in the 30 - 60 fra mage, which isn't spectacular, but the game felt very smooth - it never got

choppy even with rockets, bullets and explosions flying around in pretty agrazing, with some arrange lighting effects, spectagular explosions and fancy water effects. Horseworld 2 and Wolfenstein also looked great, and played smooth and steady. The only holdout was Halo, and if you've played what I'm talking about. The game and it was the only one I had problems with choppy framerates

Okay, into the details of what make this a great gaming system.

from is studded with 6 high intensity out, also in blue, and a clear plants dow in the side, so you can see the rule of your system highlighted in neon blue Then there are the glowing blue wandow right about the CPU, which cool the system alone with the stundeed power supply fan, and CPU heatstak. When you fire the computer

a mor change from the obsoultous beige box, and it's certainly a conversation piece. From a functional standpoint, the strategically placed low, even if you decide to., abon ... tweak the performance of your CPU a lattic. All those faas are nousy though. so if fan noise bothers you, you'll want

styling, and some hate at, but I thank at's

The termemore residual is mostly

#### System Space

- Cross TURBO CASE AGREAMER II Black, Orive briss Av5 25 2x3 5 4x3 SWT, 35¢W Prover augusts, no/ Yeros Gastley
- Medianhoral ASLS ATVEX OF LIVE SECRETA Share Sed 400/233/285 FSS White referred MCP, not USS2, ACPTIX Floreign Qual Channel
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a posselty, as the most-school and CPU will shut the commuter down automatically if the heat reaches dangerous levels. The 300W power supply provides plenty of suce, and the system they sent us of tacking in all the

ribbon cables - so there's no unsatitive children, cat-owners and those with reckless friends the graping covering the top and side faits as quite open. It is either fan. The Nie liebt makes the

The system sports a ATI Radeon 9800 graphics card, the high end of ATE's persent line of DirectX 9 reads GPU's. ATT has asset the rule of the

much better. There aren't any earner fancy graphical inclis that DirectX 9 allows, but be assured that having a DX

cards (the 9000 series from ATL and nVidia's 5000 series) really shine Arti-almsing makes games like

Homoworld 2 look much, much better -

had no problems playing these games with the anti-alliance cracked up to the max setting of 8x. After playing with one-aliasing on for a while, it's hard to go back to the suggion.

whates, for years and this board is no exception. It uses the nVidia nForce? erts for boards supporting AMD's

RAM architecture. This theoretically the standard single channel. Add this to the support for 400MHz DDRAM and a





Product Ray

Adults in theory however, the performance unit quite as spectare, as it sounds, so the actual bundwith between the RAM and CPU is immed by the fact that it has to go through the FSB which talks to the CPU at the same speed whether the RAM is dual or rangle chargeded. There is still the performance of there is still the performance of the second transplacements.

to scene upond advantage to dualreduceded RAM, but it's not nearly two-tunes as fast.

To take advantage of the dualchannel RAM you need to have at least, two DAMMs in the suppose one for only 3 DIMM slots on the board (The list two slots share the same channel), at can make appending RAM a bit of a puzzle – How much performance will you gass from just adding a 3rd DMM, when it's going to share a matic channel with the RAM strates.





DIMM's materal when you apprade? speeds and RAM setteers - more or sored. Augs is also well-loved by

house nephreus soluth is a little sarpesing of you don't expect a - but the follows error report is a vast the Sentate Barracada - a choice I'm not fond of because it's an IDE dries rather than Sonal ATA (SATA), It's a



SATA is the new standard for hard drive DO, and it's not several advantages over IDE-SATA cables can be longer and allow better arrilow. don't get clarapped as easily, their hospluggible, and SATA has higher

SATA isn't personably faster than 1 lites ATA at the moment, the to limitations of the hard drive speeds. The price is also a bit higher (approx. \$30), and the technology use't as well tested. But, if RAID controller & another IDE drive. two sew SAYA drives, or an IDE to

SATA adapter. saviers - the CHI The Athless 2500a. (Barton core) may not seem like the ideal choice for a namine how - size It's chean, but does it have the homenower that current and future current the morbal today but rebut about

The cethanizal community has quickly embraced the Athlon 2500+. it's very cheap. With a little mading on provided with the fire, and some quick dentically overclocked. The system we had effectlessly went from a 2500+ (@ LEIGH) to a 2200a (@ 2.2 GHb) ESD to 2004/kg. Heat was no ovoblere. with this case and the methods and

RAM and CPU are all well up to the The processor that NCIX provided us was "pre-barned", measure that it speed of 3200a. This makes the strucké from 2500a to 3200a Alanvaries from chin in chin an new-

22 Antonios C. Standar SCI. J. Philipping Co. C. vo.

burning asserts that you can at least the system, including our day-long

orobiens with the stability at 3200+ except for one mysterious reboot while playing Wolferston III: Dance

Note - correlation does and are wirmsty on your CPU and motherboard, so it may be sometime you want to save tatal you're thinking of

The RAM provided with this system is high-quality PCS200 CASS DDRAM Often stability problems attributed to the RAM not bear while to have up. You won't have problems

400 Mbz (200 MHz double correct) seeded to much the 3000s, and it should have the shifty to so higher then that. I didn't have time to also with the RAM settings, but you should All that's left now in the stuff that's

not directly spelicible to garrier, but plenty fast for burning, playing or

sample scools I Blue to bean a second CD-ROM drive for burgast remobil up for choses. Don't ensure this for a The crotters has a flance, close -

'maff and The Lorisoth wireless means and

I'm we mally said on the numbers

paly so her. For me million rul of the

ciutter of cables is the only plus of a wireless setup, and it's belonged by the

Another problem with this perticucable. Where the cable place seas the computer, it also plays into the power

So what's missing? No months and no speakers. If you don't stready

So is this system for you? Well, if

a many for ner-buck sayteens. Another nhs as not havene to do the fincky work of patting a together younglf Strie Bus determines whether you should be getting CAS2 PC3200 one too quality, and you won't be

On the other hand, you're talking

2800 Pro card shelf care over \$500. price for a high-performance machine the commerces for the simple reason.

My only real complaint with the system as that I'd much rather see it neound Saltenies in west rooker \$

# WiFi 802.11b

if), or 802 11b as it is sometimes called, allows connect to an access point (AP), parallewithin a 40-metre range. The AP is expectably connected to a DSL or cable assesses connection, which provides the high-

speed access that modern accrnet applications demand. The sacerus of the seasons has once agen returned Vancouver to months, once are caval sunser strells, ratio directs, and forest ceremon. This is account Speechess no'll encount to For range this moises a long winter in front of glowing

boxes televisions, video carnes, moretors, and increasingly over the past fewyears, laptops. With the coming Christman season, many of the older boxes will also become laptous. In Seattle, cald owners and patrons alike have taken the unsurer

consts a subrast cast culture On a morest visit to Zoka Coffee & Tea Co., I counted no less than thirty lantons and barely systemed to find a seat. A common complaint at this busy café. Crace Kerrick,

rannager of Zolor's has seen an increase in business as n

free. The technology used to assayle the involvable more than simple providing the

free Often, cald designess also have largons that are tethered to the wall at home, all that's required to start the Says Kerrick, "in its own way, it has increased constrainty and increased superactions." With free access, They as an Seattle through and in Managana and an etil



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the thing I just couldn't

It reading this book was who is it for? However no doubt that money of the "hashin" contained in the book are increasing, and these certainty was some weys as which you come so Armanous entitlers to have been a few of though their still places programs, or setting your use books for example, or use their ceiting procurs does for the specifiator or use their clean processing, but there's no one for each for their procurs of the processing, but there's no one for their procursing, but there's no one for the procursing, but there's no one for their procursing, but there's no one for their processing, but there's no one for their procursing, but there's no one for their procursing, but there's no one for their procursing, but there's no one for their procursion of their procursio

to boild your own applications, but it does not cover may one of these subjects fally.

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demond to displaying how you can immephate the core image for any green book, using contain sus-straigs you have been as the suscept of the dependent or even and a few dependent or even and how Arrance has developed a system to heastle this sent of things associated of Arrance inself! Therefore even a sample scope that contains you consisted of Arrance inself? Therefore even a sample scope that contains you contain the sample scope that contains you can be supplied to the sample of the sample of the sample scope that the sample scope of the sample scope that the sample scope and the sample scope that the sample scope of the sample scope that the sample scope of the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope that the sample scope that the sample scope of the sample scope I'd never use. Then
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Many of the backs
contained in that

like myself or those as the poblishing industry, there aren't likely to be too many people who would find this nort of thing useful.

The book as at his best when it is formed on things that can help

make money, such as using that is diffused programs, asting your said books through them, or building applications using Amazen's Web Services API. There are plonty of useful sign and loss of good code exemples showing you how you can be verage Amazen's systems to your advantage, and bow you can best socially suggester your sailing to personal exemples. If you was personal exemples.

more of st.

There's an old adage that goes
"the best back as a useful back".
Going by this, Amazon Hacks doesn's
completely measure up \$\begin{align\*}{2}\$

Montaine codest \*\*\*

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## Go Big or Go Home!



The following at solven from an aponoming book by Performance/PC. Executive: Editor Gesf Wheelveright:—called limide the Bubble - about his experiences in the "date constituting between 1999 and 2001. Chapter One were funtamed in the October same of Computer Pers and it still contibule online at

hapter Two - Decision Time

To arrived in Toronto after a long and cramped

flight - more unconstrutable for him and his six floot aux finese than for myself - and suck a trans to the Coast Hotel. Inscretting on myself - and suck a trans to a roces with two double bads and upon a long time talking that night about the opportunities and the make that lay in the next two days.

We also specifies on the phone - no calcage on any wellyveits and last inkings its he finance Margaret - n a vaissiteting to get some seri of some perspective on what seemed. Meet a firstly insees suitables. Over the next several digs, we walked consolives through nectuage and patches with achinology, companies and PR films as we posimented the services of Wince of Way - even though we show larve that we might both to working for another company by the ond of the might be desirable of the property of the ond of the

week. The only real excitement in these meetings came as we were having lands in the leafy, guiden restaurant attached to the best lan had just wrapped up a comprehensive overnow of our services when I fended over at a planter man our table and notioned something stiming between the leaves of

we fireshed up our meals quekly and left. I suspect the mouse left quekly as well. We had moved by charac-Mean while. Inn and I debuted He understandably questioned what would happen if it dish't work out. What would we do? Where would we go?

I blithely assived him that we could simply resume doing what we had been doing before the dot com opportunity arose. After all, we weem't usersame our own morey in this venture. It was a public company with investors who wen channing to see a real online business created. How could we result the chance to do this for them?

enough within in the company. The salaries offered, while manuscrable, were not what yes would expect for sensite encorates positions as a high technology company. But we shock have that sensonce expected to to take risk alonguish them and that of all went well everyone would be rewarded handsomely as the humanus given wall the share price too. Our rewards for hand work could once through the options fine - and last relough higher solations. Or so the drivking

And then there was the whole question of what kind to business could be control. The opportunity, as we understood it, was to crease an executancer. Web size with first-size content— and them to hiddle compromes for interactions to assume the control of the control of the control transactions. Revenue would introlly come from abovering pumple to use the livestructures size as the postal through which long-reader sales all becomes size as the postal through which they control make all become of oversements on a brief

the seasonal their through the partnership with Stockhouse (which was already one of the most heavily-visited financial Web states in Canada at this point) and through creative use of already one of the could drive loss of people to the investment, we could drive loss of people to the investment come site.

Investment com site

And cook day were there, how had would it be to get
them to look at moveting opportunities from reputable
pattern? We would just charge the partiers a small
pattern of the next reputable and said the research.

the possibilities, probing the weaknesses of the plan and asking curashes the question has when it is we'red? After all this debate. I came to one use-capable conclusion-and tag eventually dword it with me. When the model on undertains the models of dword on with me.

would you rather be, in the middle of the dot com revolution, than belying to build a dot com startup? It was all too tampting - and on the week of July 5, 2002

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